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The Missouri Miner, February 20, 1935

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THE MISSOURI MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME XXI

ROLLA, MO., WEDNESDAY, FEBRUARY 20, 1935

NUMBER 20

DR. FULTON GIVES TALK

Theta Tau Members Hear Plan Outlined for Proper Placing of Engineers

At an informal meeting Friday, Feb. 15, the members of Theta Tau were favored with a lecture by Dr. Fulton, on the newly organized Engineering Council for Professional Development.

This organization which originated in New York is working toward the ultimate end of getting the engineer placed on a definitely professional standing. At present the engineer has no professional standing which could be definitely outlined since there is no general regulation of the requirements to be met before he can practice in any certain field, while the doctor and lawyer, who are definitely professional men, must pass a rigid examination given by the various states before they can practice their vocation or put their knowledge to any use.

The state of New York has created, in compliance with the plan of the E.C.P.D., a commission which has drawn up requirements which an engineer must meet before he can serve in any capacity on a construction project, other than a common laborer.

The examinations to be passed before he is placed in good standing, admittedly equipped to supervise the construction or inspection of some project, in which failure may occur as a result of faulty construction, endangering the lives of many people, are very rigid, and cover thoroughly every type problem which the engineer may encounter during his practice.

This system is to be inaugurated in New York in 1937. At that time, all engineers, in order to practice in that state, must pass these examinations, or show definite proof by certificate, that they have passed a similar examination in some other state where the requirements are equally as rigid. At present the council is attempting to establish this custom in every state, in order that a uniformity in the requirements of an engineer be obtained.

After the plan had been explained, the members entered into a round table discussion, in which the possible benefits of such plan were expressed by each individual present, and which ended in a very interesting attempt to solve many of the current world problems.

This type of meeting proved to be beneficial to everyone present, and it was generally felt that if this type of discussion was made more a practice on the campus, it would lead to a better understanding between the faculty members and student body, as well as help acquaint both with the problems of humanity.

A.S.C.E. HEARS TALK ON FORT PECK DAM

After the short business meeting of the A.S.C.E. last Tuesday, Mr. Ottinger presented a talk and some pictures concerning the Fort Peck Dam. He is now on a furlough in

DALLMEYER SELECTED DIRECTOR OF PLAYERS

The Players of M.S.M. held a regular business meeting Tuesday evening, Feb. 12, and officers for the coming term were elected as follows: Director, Dallmeyer; Bud Hoffman, sub-director and Frank Zvanut, secretary-treasurer.

It was decided to give a play sometime during the month of April.

After the business meeting the following men were initiated into the organization: Bud Hoffman, John Deaderick, Edward Simpson, Frank Zvanut, Albert Alper, John Long, Maurice Turken, and James Aittama.

The initiation was held at the club room, and a banquet was also held at the Sinclair Pennant Tavern after the initiation. A brief address was given by J. S. Cullison, a member of the cast. Speeches were also made by other members of the cast.

CIVILS SEE TESTS MADE

Material Analyzed by Highway Department Experts During Inspection Tour Saturday

The Junior and Senior Civils went on a tour of inspection, last Saturday, of the laboratories of the State Highway Commission at Jefferson City, where they were given lectures by the laboratory technicians, and witnessed the various tests to which the state specifications require that Bituminous and Asphaltic materials be exposed.

Each of the tests was run according to specifications of the A.S.T.M. standards, and an interesting fact noted, was the allowable percent of errors in the test, which was exceedingly small in every case.

Of the general tests which were run on the materials, there were consistency and solubility tests on hard asphalt; consistency, solubility and physical characteristics, and per cent water and sediment tests on liquid asphaltic materials; consistency, solubility and physical tests of coal tar compounds, and the same for asphalt emulsions.

Of these general tests, each is applicable to several types of material, such as, the consistency test. The penetration tests are used on hard asphalts, 0-10 penetration, semi-solid asphalts, grades 10-300 penetration, liquid asphaltic materials, (on residue after filtration) penetrations of residue below 300.

The Furol Viscosity test is applied to liquid asphaltic materials at 77 and 122 degrees Fahrenheit, coal tar liquid types at 40 degrees centigrade, and asphalt emulsions at 77 degrees Fahrenheit. The Engler specific viscosity test is used for coal tar liquid types at 40 degrees centigrade.

A float test is run on liquid asphaltic materials (residue from distillation) at 122 degrees Fahrenheit and on coal tar semi-solid types at 32 degrees centigrade. The softening point is determined on hard and semi-solid asphalt and coal tar.



HENRY BUSSE

MISS HINSCH CHOSEN AS MAID OF HONOR

Last Thursday afternoon, Miss Imogene Hinsch, charming daughter of Prof. and Mrs. V. B. Hinsch, was elected by majority vote to be Maid of Honor for the Independents for the annual St. Pat's celebration.

Miss Hinsch is now a Senior at the Rolla High School. She has been at a number of the dances given this year by the School of Mines and has proven to be very popular.

The Independents are to be congratulated upon their choice of this very lovely young lady as their Maid.

The Independents are contemplating hiring Wally Berger and his orchestra for their dance Thursday evening of the St. Pat's vacation. This dance will be held as usual in the gym. All fraternities will be invited to attend this dance.

All Independents are urged to pay their dues now. If paid now they are 50 cents, but if not paid until the St. Pat's dance, they will be 75 cents. Participation in intramural sports was also discussed at the meeting.

IRA REMSEN SOCIETY HEARS B. A. MENKE

The Ira Remsen Society held a meeting Wednesday evening, Feb. 13, in the Chemistry Lecture Room. During the business meeting, the members discussed plans for the Engineers' Day program.

Bert A. Menke gave an interesting talk on the Laclede Gas Light and Power Company of St. Louis.

ALUMNI NEWS

The Missouri Miner, Rolla, Mo. Gentlemen,

I note that you have M. M. Valerius listed as "Address Lost" in a recent issue of the Alumni News. The address of M. M. Valerius is "Jay Oklahoma," and my address is the same.

With best wishes for your continued success, I remain,

Very truly yours,
C. N. Valerius

Attend the St. Pat's Dance tonight.

22 MERCHANTS AID BOARD IN DANCE

Complete list of the merchants who are co-operating with the St. Pat's Board in giving the dance tonight follow:

Murphy and Sease Pool Parlor, Followwill Drug Store, Williams Shoe Store, Smith Hardware, Scotts Drug Store, Modern Barber Shop, Hotel Edwin Long, Rolla Motor Company, Rolla State Bank, The Standard Store, Rolla Wholesale Grocery Company, A & P Store, and the Adams Shop.

Moulder Brothers Oil Company, Harvey's Restaurant, Busy Bee Laundry, Faulkner's Drug Store, Tucker's Dairy, Heller's Clothing Store, Rollamo Soda Shop, Wallick Laundry and the Colonial Hotel.

Prof. Dodd Takes Trip to N.Y.

Prof. C. M. Dodd left last Thursday for Buffalo, N. Y., to attend a meeting of the American Ceramic Society. He will return to Rolla about Feb. 25.

CELEBRATION PLANS MADE

Various Contracts Are Let and Arrangements Made; Costume List Available

All of the plans have been completed and the contracts let for one of the biggest St. Pat's celebrations this school has ever witnessed. The main attraction of the three-day program will be Henry Busse and his troupe of eighteen people who will provide the music and entertainment for the Masque and Formal Balls.

The dances will start at 10:30, continuing until 3 a. m. or later, with a half-hour intermission from 12:30 until 1 a. m. Henry Busse and his orchestra have just recently been playing at the Chez Paree in Chicago and after the engagement here, they will head for the west coast and Hollywood, where he will appear in films.

The contract for decorating Jackling Gym has been awarded to the Dillman Decorating Company of St. Louis. This firm has charge of the annual decorations for the Velled Prophet's Ball, the Horse Show and numerous other civic activities.

A list of the costumes available for the St. Pat's Masquerade Ball has been placed at Followwill's. Orders for the costumes may be placed there.

COL. E. L. DAILY SPEAKS ON LECTURES PROGRAM

Col. E. L. Daily, division engineer of the Upper Mississippi Division, gave a very interesting and entertaining talk last Thursday evening on "Anatolia, a Back Water of the World War."

In this address Col. Daily related experiences encountered while delivering gasoline into the interior of Turkey, just after the World War.

He is a very interesting speaker, possessing a keen sense of humor, and was thoroughly enjoyed by everyone that heard him. We hope that Col. Daily can be heard here again sometime.

BUSSE TO PLAY HERE

Famed Orchestra Leader Selected to Furnish Rhythm for Annual Celebration

Little did Henry Busse realize when he entered this country several years ago, a poor immigrant boy unable to speak a word of English, that he would become one of the country's foremost orchestra leaders and would be in great demand everywhere.

The famed rotund maestro, who through arrangements with Music Corporation of America, comes to the Missouri School of Mines and Metallurgy for a limited engagement of two nights starting March 15 is bringing with him the same marvelous orchestra which scored a great hit at the Hotel New Yorker, New York City, spent nine months at the famous Castle Farms at Cincinnati, appeared in some of the country's greatest movie palaces and filled numerous radio and recording dates.

Henry Busse is known the world over for his trumpet playing and several song hits which he wrote. Among the composer's song hits are "Hot Lips", "Wang Wang Blues" and "Say Me." His latest composition, "Say Me," is played in concert style and is regarded as the most beautiful song Busse has ever written.

Many will remember Henry's trumpet solo in "When Day Is Done," a phonograph recording made at the time when the famous maestro was featured trumpeter with Paul Whitman's orchestra. This number is still used by Mr. Busse as the closing number on all his radio broadcasts.

Mr. Busse, aside from playing trumpet, directs his orchestra, arranges all of his programs, several of which are his own compositions, and entertains patrons with his clever way of directing and an unusual routine of dances.

This orchestra just finished a solid year's engagement at the famed Chez Paree in Chicago. Busse will go from here directly to Hollywood where his orchestra will be cast in a musical comedy.

BLUE KEY TO HELP HIGH SCHOOL DEBATERS

At the last regular meeting of the Blue Key, honorary fraternity, it was decided to sponsor a play given by our local players guild. This play will be given during the first or second week of April.

Tickets for the play will be on sale shortly after St. Pat's. The play itself has not definitely been chosen, but probably will be by the next issue of the Miner.

The purpose of sponsoring the play is to raise funds for the broadcast of football games. It is hoped that the full and spirited support of the students and the townspeople will be given.

It was also decided that Blue Key should help the District State Debating Tournament, to be held here March 23, by supplying a chairman and time keepers at all debates.

Attend St. Pat's

See A.S.C.E. page 6

See CIVIL TRIP page 6

THE MISSOURI MINER



Official Publication by the Students of the
MISSOURI SCHOOL OF MINES AND METALLURGY
in the Interest of the Alumni, Students and Faculty

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MADISON WISCONSIN

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FACULTY ADVISER DR. J. W. BARLEY

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WANTED! A REAL SCHOOL SONG!

There has been some talk, at one time or another, about changing the name, seal, and song of this institution. To some extent, all have been subdued if not completely squelched. It does seem, though, that if the name and seal cannot be changed without a lot of red tape, it might be possible to change the school song.

In the first place, the music to which our song is written is not our own, but that of another mining school, Georgia Tech.

In the second place, the words which are used in our song might have been appropriate at one time, but they are certainly not so at the present. Are the descriptive adjectives used in the many verses, actually the ones we like to use to describe ourselves among our fellow students, or to outside friends and acquaintances? Is it a credit to ourselves and to our school to describe ourselves as we do? Certainly our school does its best to fit us to be the kind of engineers which deep down in our hearts we hope to be—engineers who are the best in the various fields which are taught here.

It hardly seems befitting of a school of higher learning to be singing a song with the word text which is so poorly chosen and would lead everyone to think that the school is anything but a place of higher learning.

We may think that the use of profanity and vulgarity makes us very much more masculine. However, whether it does or not, does it show good clear, logical thinking when we must pick all of our adjectives from the profane?

We may need a little profanity now and then as a safety value, but we surely should be able to express our likes or dislikes without using the same word as an adjective for both.

Perhaps we might like to kid ourselves into thinking that we are all rough and ready "Miners," but there are many times when we would feel highly insulted if we were not given the title of "Gentlemen." Besides we are not all miners.

Don't we all feel proud when as a group some of us go back to the old high school Alma Mater and are asked to sing our college song, and our present song is the best we have to offer?

Certainly within the reaches of the MINER there should be someone who could write a clean, expressive set of words to some original music. Let's not let this thing drop until we have a song, the words and music of which are really our own, and one we would be proud to sing all verses.

A PERTURBING SITUATION

This situation perturbs me greatly. A few years ago (Back when I was a Freshman stuff—) there appeared on the "squawk" boards around the campus numerous appeals to the effect that the students were requested to kindly keep from walking on the grass. If I remember correctly there were several of these notices posted from time to time.

Later, the cry thrown before the student body on the front page of the MINER—this having the same effect as the above mentioned as the "cow paths" became more apparent each day. The grass was doomed to slow extermination. One bright spring morning we were all greeted with signs placed

in the middle of each lane "keep off the grass." Someone took an immediate dislike to these instructions and they were removed in short order.

Perhaps some of you ginks remember last year's threat to the situation. The first thought was that of the advanced military gang setting up some barbed wire entanglements, but anyhow, there were those awful looking fences constructed of oak log fragments pushed into the sod and held together with strands of rusty looking "hook wire."

The looks of them would give any vegetarian a bad case of blood poison. It might be added these "scare crows" did the work for awhile, but they, too, were removed in some manner or other. Personally, some dude must have pushed a pair of wire cutters into action to quiet his wrath after taking an E. E. quiz. So as before, the crowd still preferred the shorter route, and the poor grass didn't have a ghost of a chance.

Upon seeing the latest attempt to harass this routing, just about whips one down to a small nub. The first thought is "who the hell turned the horses on the campus." Upon closer examination a man on the rear end of a truck is seen shoveling baryard remains over the danger zone.

Outside of the foul odor, and the decidedly rotten looking appearance, the stuff did the work. The boys are now pounding the pavements. (Take note Seniors, you'll soon be doing it.)

The point of interest of this spasm is just what method will the young engineers take to combat this situation. You all know that it goes back to the old proposition in Geometry: The hypotenuse is shorter than the sum of the two sides. After all, do you expect anyone to take the longest route to class and then miss a seat next to the "pistol" in a quiz?

Do you expect one fellow to follow long routes between classes and lose some sleep in those dry lecture classes. Nay!—Necessity is the mother of invention and so also will a method be devised to combat the baryard effect, I'll betcha.

A Staff Member.

KRUMY KRAKS

Highbrow — A person educated beyond his intelligence. One who knows more than he can understand.

History — The evil that men do.

Zealot — One who loves morality so well he will commit crime to maintain it.

Broken heart — A heart without alimony.

Anarchy — Every man for himself.

Admiral — The best dressed man in the Navy.

Reformer — One who, when he smells a rat, is eager to let the cat out of the bag.

After dinner speech — "Waiter, give me the check."

Philosophy — Something that enables the rich to say there is no disgrace in being poor.

Russian dancing — This consists of folding one's arms in front of one and running while sitting down.

Debutante — One who never goes to bed the same day she gets up.

Tradition — Passing the bull from father to son.

"That's the cat's pajamas," remarked Mr. Twiffledink, as he picked up his wife's sleeping togs.

"Why doesn't the lamb follow you to school anymore, Mary?"

"What! At fifty miles an hour."

Charlie: "It's a strange thing, but the biggest fools have the most beautiful wives."

Loretta: "What a flatterer you are darling."

A good way to make Anti-Freeze is to hide her woolen pajamas.

Gas makes a balloon go up and that makes me wonder how some people stay on earth.

Irene: "Let's not go down that path; it's too dark and lonesome."

George: "I'm here, ain't I?"

Irene: "That's what I'm afraid of."

If the fraternity house has food that tastes like sawdust, be nonchalant—it's fine board you're getting.

There goes the man who swindled me out of fifty grand!"

Dutch: "Yeah."

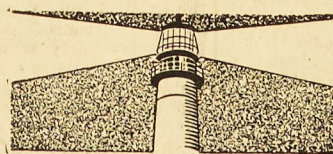
Shorty: "Yeah, he wouldn't let his daughter marry me."

Advertise in The Miner

G-E Campus News

SEDAN TO SYDNEY

Radio Engineers were up bright and early not long ago to make a two-way radio-conversation test between the General Electric short-wave station W2XAF near Schenectady and station VK2ME at Sydney, Australia, 10,000 miles away. It was 6:30 a.m. in Schenectady and 10 o'clock at night in Sydney. Everything was in readiness, but C. H. Lang, U. of Michigan, '16, manager of the Company's Publicity Dept., who was to talk to officials in Australia, was delayed at his home. On a chance, the radio police test car, which G-E engineers had equipped for two-way radio communication for the Boston Police Dept., was sent to pick up Mr. Lang. From the car, Mr. Lang's voice was sent by ultrashort waves to the G-E plant and from there by land wire to W2XAF for transmission to Australia. Conversation from Australia was picked up at the short-wave station, sent by land wire to the plant, and from there by the special police transmitter to the moving car. So successful were the results, despite the complicated hook-up, that the small sedan continued to cruise about the Schenectady streets for 15 or 20 minutes more. Mr. Lang carrying on his part in the conversation through an ordinary French-type telephone.

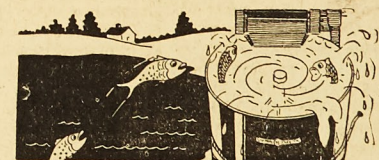


YELLOW LIGHT ON CAPE MAY

The orange-yellow light of General Electric sodium-vapor lamps now illumines roadways in more than 50 installations. It is also being used to light the façades and towers of buildings.

But now this light has another application—in the lighthouse at Cape May, N. J., at the entrance to Delaware Bay. The Cape May Lighthouse was erected in 1859. Its light source is 165 feet above mean high water and can be seen for approximately 19 nautical miles under clear atmospheric conditions.

In this test with the sodium-vapor lamp, all equipment has been supplied by the General Electric Company, and the installation was made by the Fourth Lighthouse District.



FISH GYM

The patrons of Joe Medway, a restaurateur up in New York State, literally fished for their dinners. They chose and netted their trout from a large pool. But what made Mr. Medway and his patrons unhappy was that the trout, presumably because of the treacherous refinements of effete pool life, became sissies. They just nosed around listlessly.

One day Mr. Medway gathered up a batch of netting by the pool and placed it in his General Electric washing machine for a rinsing. When he removed the net, there was a trout jumping about the machine in a most sprightly fashion. It exhibited such joyous abandon, in comparison with its sluggish brothers in the pond, that he turned on the activating element again to give it real satisfaction. The trout then accelerated its speed and leaped about in the swirling currents as though it were swimming for life or love in a mountain stream. Mr. Medway threw it back in the pond. It was off like a flash, and had soon churned up the placid waters into a sea of tiny whitecaps with its capers. Then, says Mr. Medway, the bit of spotted dynamite swished in to shore, came to a spray-rising stop, and with wiggles and flops implored its owner for another turn in the washer.

Well, Mr. Medway bought six more General Electric washing machines, and now all the trout are systematically exercised. Mr. Medway is willing to bet that there isn't a single speckled trout from the wildest streams in the country that could last a half a round with his trout. "Because," he says, "they're scientific trained."

96-91-FBI

GENERAL ELECTRIC

THE LOG OF THE "BLACK PERIL"

After leaving Miami, Okla., I bend the "peril" right across the bridge and continue for a mile or two, then approach Oklahoma's threat to the automobile, the "Austin" road. Might add that this name was donated by our old friend from El Paso, Ralph Cole, ex-Triangle.

As the menace comes closer we find the pavement suddenly narrows to one small slab in the center. This conglomeration contains more chuck holes per square inch or foot than any thing you could imagine. The paved portion, that is the portion I just mentioned, is just barely wide enough for one car, provided the car has a narrow wheel base.

At the edges of the slab there is a nice concrete ridge that jumps down to the dirt shoulders about four inches below, and from here to the ditch is nice soft dirt. The pleasure of touring this road comes when you pass another sucker coming from the opposite direction. If

you try to ooze off slowly you'll slip off the ridge quick-like and find yourself in the ditch.

The only alternative is to slow down to nought miles per hour and turn sharply thereby getting the right front and rear wheels in the dirt—then you may continue until the other gink passes. This process may be repeated to get back up on the chug holes again. Great fun, eh, ked?

To my simple mind, the most interesting thing about this highway is the remarkable right angle turns. I gather the road follows section lines, and if so, I'd swear that the change of direction is made every quarter corner.

These graceful curves sweep around at a radius of not over five feet which enables a body to whip around them at a perilous speed of ten miles per hour. Another important feature of these curves is the unique banking effect. Personally I think they must have been designed to a slope of .9 to 1, which of course always helps. This my dear friends is our own Highway 66.

Vinita, Okla., Dec. 15 — At last we are off the "Austin" road and back on the highway after making a dandy little "U" detour into Vinita. As it was such a rough passage the last hour, I stopped here in some greasy looking joint to inhale a cup of mud. After taking same and throwing a jit on the counter, the journey continued.

There was little of interest from this point, however, I was in deep thought considering the temperature of this winter morn and wondering how the gang down at "Little America" kept the blood circulating in the lower limbs. At intervals it was necessary to pinch the leg to make certain of its location. The eye lids are growing heavy.

Claremore, Okla., Dec. 15—Arriving at Willie Rogers home town, it was necessary to take on some petrol. I whipped into a likely looking filling station and the proprietor seemed rather indifferent as he dragged out of his warm station into the cold morning atmosphere.

Last summer Sully and I met a fraternity brother here and he in-

formed us that when we came through next time to drop over, well you can picture me bashing on the window at 3 a. m. in the morning. "Good morning brother — how are you this crisp morning?"

That thought was dismissed as Claremore was left behind. This place always brings to mind the late Doc Dake, and his untiring efforts to drive a little geologic knowledge into the thick skulls of some of us half-baked metal Miners. There are the famed Claremore escarpments to our right—brings memories of our map interpretation class.

Somehow, I still feel guilty about leaving school a little early and the haunts of the institution still floating about. Even at this point when half frozen, I would even rather be up in Minerology pounding minerals with the gang—it would be much warmer.

We should be in Tulsa by daylight provided the "peril" doesn't get the "jits" or something. What can happen to an 'ole Ford in mid-winter at 4 a. m.? Plenty! We'll

take up the struggle in Tulsa next time. — S'long.

ALUMNI NEWS

Max E. Ueltzen, '31, and Miss Hilda Pace, Salem, were married at Salem on Feb. 3, 1935. Max is employed with the government boat lines at Gasconade, Mo.

Peter A. Badame, ex-'34, and Miss Edna Brown of Rolla were married at Richmond, Ind., Jan. 23, 1935. Badame is employed with the Schroll Coal Company of Richmond.

Pledge: "Why—a—We're having a dance at our house—ana—She: (breathlessly)—"yes?"

Pledge: "And I wonder if I could borrow your waxer to wax our floors?"

Joe: What a bump Jesse has on her ankle. She must have gotten hurt."

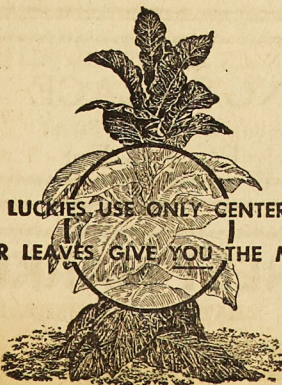
Jim: That's not a bump—That's cab fare.



When you need an excuse
to stay a little longer....

I'm your best friend

I am your Lucky Strike



LUCKIES USE ONLY CENTER LEAVES
CENTER LEAVES GIVE YOU THE MILDEST SMOKE

I give you the mildest smoke, the best-tasting smoke. You wonder what makes me different. I'll tell you. It's center leaves. I spurn the little, sticky, top leaves... so

bitter to the taste. I scorn the coarse bottom leaves, so harsh and unappetizing. I am careful of your friendship, for I am made only of the mild, fragrant, expensive center leaves.

They Taste Better

ST. PAT'S BOARD FINANCIAL STATEMENT

Statement No. 3.

Receipts:

Balance on hand Feb. 1, 1935	\$380.94
Gate Receipts — Monte Carlo Dance	63.10
Check Room Receipts — Monte Carlo Dance	15.20
"Sale of Bucks" — Monte Carlo Dance	32.40
Sale of Tickets — Monte Carlo Dance	17.09
Cloak Room (Dance Jan. 30)	39.75
Sale of Dance Checks	3.00
Flowers Six Organizations (1934 St. Pat's)	15.00
Cloak Room (Military Ball)	15.60
10 Per Cent Payment on National Bank Account	52.88
TOTAL RECEIPTS	\$634.87

Expenditures

Janitor Service "Monte Carlo Dance"	\$5.00
Duke Williams Orchestra "Monte Carlo Dance"	32.00
M.S.M. Athletic Association (Fixing Gym Floor)	45.00
M.C.A. (Dance Checks)	7.50
Express Charges on Dance Checks	.50
Rolla Printing Company	10.25
M.C.A. Payment on Henry Busse's Orchestra	400.00
Prizes on Monte Carlo Dance	4.15
TOTAL EXPENDITURES	\$504.40
Balance on Hand Feb. 15, 1935	130.47
	\$634.87

Assets:

Cash on Hand	\$130.47
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Liabilities:

Approved Liability:	\$115.00
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N. GILSDORF
Treasurer

Accounts Audited:

K. KERSHNER
Chairman, Board of Control.



THRU THE TRANSIT

By Squint, the 'Ole Pinch-hitter'



Well, well, another week-end of much merrymaking, poor old Pin wanting to go to bed, and then hollering for help to get the corner all filled up so ye editor won't be grey headed, such business. Or maybe some of the young mechanicals' threats were reported and he is hiding under cover.



We heard that one Chuck Evans has joined the ranks of the matronial enthusiasts and that Hanson was drowning his sorrows at the K A lodge with some of the boys—the Folsom brothers weren't doing bad either, one of them paid a visit to the Lambda Chi domicile—and Papa Penzel associating with Pi Kaps and Sigma Nu's and feeling very much better at Harvey's beanery, maybe great events were in the making.

Who was the wise cracker that asked, "Were you ever over to the Sigma Nu night club last night." We heard that the boys were putting them away in nice order.

Ernie Walker seems to have a new cause for sorrow. Wonder if it could be caused by Snyder's attention toward a certain fairly recent inhabitant of our fair city.

"Skeets" Beard was observed the other night giving skating lessons to the high school girls near the Triangle corner. Oh, you Skeets—What does Grimm have to say about this?

The St. Pat's Board is throwing another dance tonight—Let's all be there Miners.

Where does our St. Pat's Queen hide herself? We never see her.

The Kappa Sig freshmen pulled a fast one on their upper-classmen the other day. They set all the clocks up an hour and a half and everybody got up before breakfast.

The Kappa Sigs also had a quartet early Saturday morning, about

4 o'clock to be exact. The purpose of said quartet was to razz Schaumburg about his date with Mary Ann.

Guess we have the Democrats to thank for the new women in town. Perhaps they formed a new administration—The BWTRA, bringing better women to Rolla administration. The old town don't seem the same. Why we can remember way back when it was hard to get just one date a week-end and now the Kappa Sigs throw a drop in, the Sigma Nu's throw a drop in, and there are still a few women left for a couple of miscellaneous dates.

MANY YEARS AGO—

20 Years Ago This Week
After a great deal of preparation and talk a Missouri School of Mines Alumni Club was organized in St. Louis. Director McRae was one of the chief backers of the Club.

The Iota Chapter of Theta Tau

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HARVEY'S LUNCHELY
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PRYOR and SI PROPRIETORS

Basketball Schedule

MINERS 26 — CAPE GIRARDEAU TEACHERS 25
MINERS 30 — CENTRAL WESLEYAN 23
MINERS 13 — SPRINGFIELD TEACHERS 18
MINERS 18 — DRURY COLLEGE 16
MINERS 13 — SPRINGFIELD TEACHERS 28
MINERS 27 — WILLIAM JEWELL 25
MINERS 32 — MISSOURI VALLEY 26
MINERS 32 — ST. LOUIS UNIVERSITY 48
MINERS 36 — TARKIO 38
MINERS 24 — WESTMINSTER 36
MINERS 24 — DRURY 31
MINERS 38 — ST. LOUIS U. 50
FEB. 21—WESTMINSTER AT ROLLA
FEB. 25—CAPE GIRARDEAU AT ROLLA
FEB. 27—MISSOURI VALLEY AT ROLLA
MARCH 4—CENTRAL COLLEGE AT ROLLA

was organized here at the Missouri School of Mines. Prof. H. A. Rice of the University of Kansas and Grand Vice-Regent of Theta Tau was here to conduct the initiation ceremonies.

15 Years Ago This Week
In the last game of the basketball season the Miners lost to Central Wesleyan by the score of 38 to 19.

The track season was opened with the first triangular meet with Drury and Springfield.

10 Years Ago This Week
The latest figures for the second semester enrollment showed that 506 had enrolled in the Missouri School of Mines. Of this number, 399 of these were collegiate while the remaining were here either on vocational or extension work.

5 Years Ago This Week
Indoor track was started with 25 or 30 men answering Coach Grant's first call for men. He prophesied a good season for the Miners. They had three dual meets, one triangular and two state meets scheduled for the season.

H. S. COLLEGE GRADS HAVE GREATER INCOME

Only two boys of every 100 receive four years of college education. To increase this number is one of the goals of American life insurance companies, says a prominent insurance executive.

The value of an education was pointed out by the executive, who cited statistics compiled by the Massachusetts Department of Labor and the College Administration of Boston University.

C. D. VIA
The House of a 1000 Values
ROLLA — MO.

CALL 163
**THE FARMERS
EXCHANGE**
FOR POULTRY, EGGS
AND GROCERIES
—WE DELIVER—

The cash value of a college education compared to a high school education was set by the statistics at \$72,000. The total earnings of a college graduate from 22 to 60 average \$150,000.

When a boy goes to work at 14 he reaches his maximum income at 30. He averages less than \$1200 a year. His income depends largely upon manual dexterity and physical strength and thus falls off gradually after he is 50. More than 60 of every untrained workers are dependent for support at 60. He earns approximately \$45,000 between 14 and 60 and not more than \$2000 of this in the years he should have been in high school," he says. "The high school graduate goes

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Watchmaker and Jeweler
Fine Repair Work a Specialty
38 Years' Experience — —
28 Years in Rolla — — —

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DUNHAM & SNIDER
BARBER SHOP
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Patronage
Appreciated

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FLEMING'S PLACE
Opposite Postoffice on Pine Street
A Handy Place to Eat

PINE STREET MARKET
GROCERIES MEATS VEGETABLES
PHONE FREE DELIVERY 77

to work at 18, and passes the maximum of the untrained man within seven years, rising steadily to his maximum of \$2,200 at 40. He continues at this level the remainder of his active life. His total earnings from 18 to 60 approximate \$78,000, making the cash value of his high school education \$33,000 more than the untrained man.

"In the case of the college-trained man, he doesn't start permanent earnings until he is 22. Perhaps he earns some money while attending college. By the time he is 28, his income equals that of the high school graduate at 40, and it continues to rise without a break.

"The great difference," he said, "is that the college-trained man's income is dependent upon his mental ability, and training constantly improves it by practice. The average income of \$6000 a year at 60 is often surpassed. With an average of \$150,000 total income between 22 and 60, the college education is worth \$72,000 more than just a high school education.

Seven eclipses will occur during 1935, the maximum number that can occur during a single year. The combination will not occur again for 550 years.

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ROLLA
STATE
BANK

WEDNESDAY, F
PANTHER
WIN,
Dame Fortune's S
Frown on Miners
It Drops Drury
Dame Fortune's S
some athletic team
Kirchoff and the Mi
team seem to think
has passed them by
recent mishaps that
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Playing on the sm
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and Watts is still rec
a broken shoulder wh
to the northwest Miss
three weeks ago.
The box score:
Miners (24)
Beard, f. FG
Nixon, f. 0
Ellis, f. 2
Lange, c. 0
Moreand, g. 2
McGregor, g. 2
Busch, g. 1
TOTALS 7
Drury (31)
Westover, f. FG
James, f. 7
Strobach, f. 2
English, c. 0
Moore, c. 3



SPORTS



PANTHERS WIN, 31-24

Dame Fortune's Smile Turns to Frown on Miner Quintet as It Drops Drury Game

Dame Fortune may smile on some athletic teams, but Coach Kirchoff and the Miner basketball team seem to think the good lady has passed them by in view of the recent mishaps that has befallen their jinxed squad. Injuries may happen to the best conditioned men but when five players are suffering from various ailments at one time, luck must have something to do with it.

And perhaps the Miner-Drury game last week was the best example of its workings, as seen in this district for some time. With Herman Pfeifer, Robert Prange, Floyd Watts, Jim (Stretch) Murphy, and Rufus Gardner on the hospital list, the Miners lost to the Drury Panthers 31 to 24, after leading for five minutes at the start of the hotly contested battle.

Playing on the small court, the Miners were outmaneuvered by the Panthers, and were losing 18 to 11 at half time, as the result of a sensational rally by Gene Westover, Drury forward, who sank four field goals in three minutes.

Nixon, McGregor and Moreland combined scoring power to give the Miners a 9 to 2 lead in the early stage of the game. Westover then staged his rally to shove the Panthers out in front 12 to 9. Nixon brought the Miners back in the game with a field goal and a free throw, but Moore and James again scored for the Drury cagers as the half ended.

McGregor and Lange flipped in field goals to start the second period, but James and Moore again scored for the team from Springfield, to give them a good lead. From then on both teams scored sparingly, with Drury keeping a safe margin the rest of the way.

Eager (Nick) Nixon showed good form in scoring 9 markers for the Miners, and was followed by McGregor with 5, with Moreland and Lange hitting the hoop for 4 points each. Westover scored 14 points to lead the Drury team.

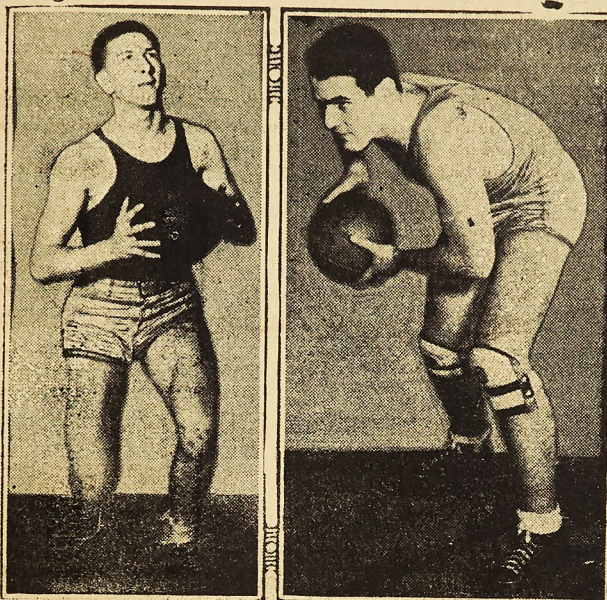
Herman Pfeifer was out of the lineup suffering from the measles. Robert Prange, tall center, will not play any more this season, according to doctors orders. Gardner has not been working out with the team since he was injured in a car wreck last month. Murphy has been suffering from sinus trouble, and Watts is still recovering from a broken shoulder which occurred on the northwest Missouri road trip three weeks ago.

The box score:

Miners (24)				
	FG	FT	F	TP
Beard, f.	0	0	1	0
Nixon, f.	2	5	0	9
Ellis, f.	0	2	0	2
Lange, c.	2	0	2	4
Moreland, g.	2	0	2	4
McGregor, g.	1	3	3	5
Busch, g.	0	0	0	0
TOTALS	7	10	8	24

Drury (31)				
	FG	FT	F	TP
Westover, f.	7	0	2	14
James, f.	2	1	4	5
Strobach, f.	0	0	0	0
English, c.	3	0	0	6
Moore, c.	3	0	0	6

CO-CAPTAINS



Co-captains Nixon (left) and Pfeifer who have been the stalwarts of the Miner quintet throughout the entire current season. (Photo courtesy of St. Louis Post-Dispatch)

COMPOSITE BOX SCORE

(Including Eleven Games)

PLAYER	Games	F.G.	F.T.	F.	T.P.
Watts, f.	7	11	8	7	30
Lange, f-c.	9	7	7	9	21
Nixon, f.	10	17	9	21	43
McGregor, g.	10	12	21	12	45
Ellis, f-g.	6	2	2	10	6
Beard, f.	6	12	2	8	26
Clayton, f.	2	0	0	0	0
Prange, e-g.	9	11	2	14	24
Murphy, c.	3	1	0	1	2
Pfeifer, g-c.	9	19	12	13	50
Wommack, g.	4	0	0	1	0
Gardner, g.	1	1	0	0	0
Moreland, g.	8	9	8	6	26
Busch, g.	1	0	0	0	2
Smith, g.	1	1	0	0	2
TOTALS		102	71	105	275

Glenn, g.	0	0	1	0
Bailey, g.	0	0	1	0
Ewing, g.	0	0	2	0

TOTALS 15 1 12 31
Score at end of half: Miners, 18; Drury, 11. Referee, Collins (M.U.).

Fred Borries, Navy's famed grid star, is the holder of the largest number of "N Stars" ever won by a midshipman. The star insignia is presented to an athlete who takes part in athletic contests against the Army which have been won by the Navy.

Midland College (Fremont, Neb.) students are estimated to consume their own weight in food every 30 days, plus twelve pounds of each for good measure. The average collegian monthly drinks fifty-one pounds of milk, eats thirty-five pounds of vegetables, eighteen pounds of fruit, and twelve pounds of meat.

Margaret: "What is love?"
Nora: "Love is when a girl wearing a long white dress will ride to a formal in a fellow's rattle-trap, moth-eaten, dust-laden, topless automobile."

TWO GAMES NEXT WEEK

Miners to Meet Westminster and Cape Girardeau Monday Night

Going down the stretch of the season's schedule the Miner basketball team will play two games this week, meeting Westminster Thursday night and Cape Girardeau Monday night, both games to be played on the local floor. After these two contests, only Missouri Valley and Central College remain to be played.

The Miners opened their season by defeating the Cape team in a thrilling 26 to 25 game, regarded by many as a decided upset at the time. However, the Indians lost several battles and were thought to be out of the M.I.A.A. race until a sudden spurt of the underdogs in the teacher's loop, made a scramble of the standings. At present the Teachers are tied for first place with two other schools, all with three victories and two defeats.

Frank Owen, Cape center, is one of the reasons the team from Southeast Missouri has been winning lately. Leading the M. I. A. A. in scoring two years ago, Frank is beginning to regain his old form, and with Joe McDonald, is leading the five in scoring for the current season. Hubbard and McDowell at forwards; Owen at center; and Masteller and McDonald at guards will compose the Cape starters.

Westminster defeated the Miners two weeks ago at Fulton, 36 to 24, when their height proved too much for the Silver and Gold quintet to combat. Edmond, veteran guard, went on a scoring rampage, dropped in seven field goals in the fracas. The Miners were led throughout the game and sadly missed Robert Prange, elongated center, who has been ruled to the sidelines because of ill health.

Raucher and Barrow at forwards; Berryman at center; and Edmonds and Avis will compose the Blue Jay's lineup. Due to uncertainties of men at present out of the lineup with injuries, returning, Coach Kirchoff has not announced a starting lineup, but it is expected that Nixon and Beard will be at forward; Lange at center; and McGregor and Moreland at the defense.

12 SCHOOLS ENTER MEET

Basketball Tournament for the Third District to Be Held Here Feb. 28, March 1 and 2

According to plans released this week by Coach Harold Grant, the regional basketball tournament for the Third District High Schools will be held in Jackling Gymnasium starting Thursday night, Feb. 28 and continuing Friday and Saturday, March 1 and 2.

Consolation games as well as the championship contests will be played in the nineteen game bracket, with the losers in the first round battling it out for the last positions and the losers in the semi-final bracket fighting for the third place position. Four teams have been named for the event, with Richland drawing the first place, followed by St. James, Washington and Owensville. Twelve quintets from this district have entered.

Richland will start the action, playing Herman Thursday night at 7 P. M., with Owensville and Sullivan meeting at 8 P. M., followed by St. James and Rolla at 9 P. M., and Washington and Salem at 10 P. M. Steelville, Pacific, Cuba and Bland draw first round byes.

Sessions will continue Friday afternoon, with four games on the schedule, and will continue Friday night with four more. Two games Saturday morning, three in the afternoon, and the final contests that night conclude the schedule. The St. Pat's Board will sponsor a tournament dance after the final game on Saturday evening.

Admission for the afternoon sessions will be twenty-five cents; the evening sessions thirty-five; and season tickets good for the six session will be sold for \$1.00. Coaches Brown and Kirchoff of the local School of Mines coaching staff will referee the games.

Exactly 42 per cent of the three Harvard University upper classes are listed as candidates for honors. The oldest university in South America is the University of San Marcos, in Lima, Peru, founded in 1551.

give positions. will be the team on the court at the opening whistle.

ST. PAT'S BOARD DANCE

Wednesday, Feb. 20

Music by Varsity Orchestra

Dance from 10 to 1

75c---STAG OR DRAG---75c

How About A REMINGTON TYPEWRITER? See SCOTT'S—The MINER'S CO-OP

CIVIL TRIP

The volatility tests are applied in the form of the following tests to various materials: Loss on heating 50 gms. for five hours at 325 degrees Fahrenheit, of semi-solid asphalts; per cent residue of 100 penetration, determined of semi-solid asphalt and liquid asphaltic materials; flash point determination on liquid asphaltic material and coal tar; distillation and determination of per cent residue by volume for liquid asphaltic materials at 374, 437, 600, and 680 degrees Fahrenheit, and by weight at 170, 235, 270 and 300 degrees centigrade.

Physical characteristic tests are made to determine: The ductility of semi-solid and liquid asphaltic materials for all grades with penetration of less than 300, and on asphalt emulsions or residue from distillation; the specific gravity of all grades of semi-solid asphalt, all types of liquid asphaltic materials, all grades of coal tar, and coal tar distillates, and asphalt emulsions; and per cent water and sediment on SC type liquid asphaltic materials.

The solubility of the different bituminous and asphaltic materials is an important factor in determining the length of time in which it will remain durable when it is used in pavements, and tests are made on each of the harder types of materials for per cent of solubility in carbon disulphide and carbon tetrachloride.

Each of these tests was made and explained by competent instructors, and proved to be very beneficial to the students in broadening their knowledge of this type of materials, which is inevitably going to play a large part in the future expansion and improvement of the present system of public roads.

A.S.C.E.

order that he may attend school.

The Fort Peck Dam is the largest earth filled dam now in existence. The initial step in construction was taken by eight survey parties that set up triangular points for the axis of the dam. Others comprising the original parties were geologists and men from the Department of Interior.

The reasons for constructing this dam were: To obtain a channel

of eight to nine feet in the Missouri River from Sioux City to the mouth to store flood waters, to generate electric power and to irrigate desert land.

A secure foundation for the dam was difficult to obtain because of the powdery shale, peculiar to that section of the country. The lake formed by the impounded water will have a shore line of about 1600 miles.

Mr. Ottinger's very interesting photographs of the dam were projected on a screen and he explained them during the course of his talk, the greater portion of which, was a contrast between the Fort Peck and Saluda Dams.

At the conclusion of the program all adjourned to another room where refreshments were served.

PROGRAM ROLLAMO THEATRE

WED. & THURS., Feb. 20—21.

'FORSAKING ALL OTHERS'

with Joan Crawford, Clark Gable, Robert Montgomery and Charles Butterworth

ALSO

Scrappy Cartoon,

"Happy Butterfly"

Novelty,

"The Nerve of Some Women"

Movietone News

Prices 10 and 35 Cents

Shows 7:15 and 9:15

FRIDAY, Feb. 22.

Miriam Hopkins in

"THE RICHEST "GIRL IN THE WORLD"

with Joel McCrea, Fay Wray, Henry Stephenson and Reginald Denny

ALSO

Comedy, "Herb Williams"

Prices 10 and 25c

Shows 7:15 and 9:15

SATURDAY, Feb. 23.

MATINEE and NIGHT

Laurel and Hardy in

"BABES IN TOYLAND"

Turn on the laughs! Here come the minute-men of mirth

ALSO

Musical, "Pop Goes Your Heart"

Comedy, "Nosed Out" with Irvin S. Cobb

Episode No. 10, "The Red Rider" with Buck Jones

Prices: Matinee 5 and 15 cents

Night 10 and 25 cents

Four Shows: 1:30, 3:30, 7:15 & 9:15

SUN. & MON., Feb. 24—25.

SUNDAY MATINEE

"DAVID COPPERFIELD"

with W. C. Fields, Lionel Barrymore, Maureen O' Sullivan, Madge Evans, Edna Mae Oliver, Lewis Stone, Frank Lawton and Freddie Bartholomew

ALSO

Silly Symphony in color,

"The Tortoise and the Hare"

Movietone News

Prices Matinee 10 & 25c

Night 10 and 35c

Four Show: 1:15, 3:30, 7:00 & 9:15

TUESDAY, Feb. 26.

BARGAIN NIGHT

"RIGHT TO LIVE"

with George Brent, Josephine Hutchinson, Colin Clive, Peggy Wood, Henrietta Crozman and C. Aubrey Smith

ALSO

Comedy, "In the Dog House"

Prices: 10 and 25c

OR TWO FOR 10 and 35c

Shows 7:15 and 9:15

HIGHWAY WORK IS OUTLINED AT MEETING

Diversions of highway funds, progressive co-operative planning for highway development, traffic surveys and their importance in planning, and other subjects were under consideration last week at the Missouri Highway Engineers Convention held in St. Louis.

A. J. Boles and W. H. McDill attended the convention as guests of the Missouri Bituminous Distributors Association which has been co-operating with the school in a special series of lectures dealing with the design and construction of low cost roads.

Approximately 500 highway engineers, contractors, salesmen and state officials attended this Twenty Eighth Annual Convention of the association. The program consisted of a number of speakers, films, and illustrated lectures dealing with subjects pertaining to the business of the highway engineer.

A general note of optimism characterized the meeting, and it was expressed several times that the highway work in this and other states was far from completion.

Every county of the state of South Carolina is represented among the 1391 students enrolled at the University of South Carolina. Only 100 of those registered are from out of the state.

The University of Wisconsin has more than 79,000 alumni, with 30,000 living in the state at the present time.

The government of China has decreed that military training in all colleges in Canton, China, shall be compulsory.

Princeton University is offering ten special courses for residents of Princeton and the surrounding territory.

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Studebaker and Plymouth MODELS KING MOTOR CO.

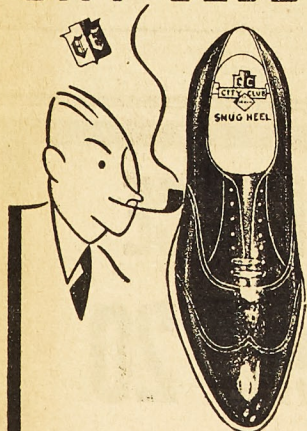


Done movin'

Smokers of Chesterfield are funny that way, you can hardly move 'em. They evermore like 'em, and they evermore stick to 'em. *Chesterfields are milder—they taste better.*

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CITY CLUB



YOUNG MEN GO FOR THESE

Why?...because of their smart lines...leathers that really take a shine...plus the fact that these shoes keep your feet fit and ready to go places.

WILLIAMS

"The Family Shoe Store"